NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF SCIENCES
DEPARTMENT OF ENVIRONMENTAL SCIENCE
Plot 91, Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja
2021_2 EXAMINATIONS

COURSE CODE: ESM392
COURSE TITLE: Introduction to Remote Sensing and Radiation Principles
CREDIT UNIT: 2
TIME: 2Hours
Instruction: Attempt question number ONE (1) and any other THREE (3) questions. Question number one (1) carries 25 marks, while the other questions carry (15) marks each.

1.a. Explain the concept of energy interactions in the atmosphere.
1.b. How does the atmosphere influence energy distribution?

2. Identify and explain the key remote sensing platforms.

3. a. Write detail notes on the under listed types of Aerial Photograph;
   i. Vertical aerial photos
   ii. Oblique aerial photos
3.b. List five types of Aerial Cameras

4. Write detail notes on the following
   i. Image displacement on aerial photograph.
   ii. Tone.
   iii. Resolution.

5.a. Highlight the procedure of transferring annotated details to the base map after interpretation.
5.b. Highlight the procedure of Radial Line Triangulation.
.